# Contents


Able KW → Tupper M
Achuthankutty CT, Shrivastava Y, Mahambre GG, Goswami SC, Madhupratap M: Parthenogenetic reproduction of *Diaphanosoma celebensis* (Crustacea: Cladocera): influence of salinity on feeding, survival, growth and neonate production 19
Albers BP → Stoeck T
Alker AP → Kim K
Ambrosin E → Mazzoldi C
Andersen O → Styrishave B
Arai T, Otake T, Tsukamoto K: Timing of metamorphosis and larval segregation of the Atlantic eels *Anguilla rostrata* and *A. anguilla*, as revealed by otolith microstructure and microchemistry 39
Armstrong MJ → Dickey-Collas M
Aubert H, Lightner DV: Identification of genetic populations of the Pacific blue shrimp *Penaeus stylirostris* of the Gulf of California, Mexico 875
Auffrey LM → Martel AL

Ball AO, Sedberry GR, Zatcoff MS, Chapman RW, Carlin JL: Population structure of the wreckfish *Polyprion americanus* determined with microsatellite genetic markers 1077
Båmstedt U: Life cycle, seasonal vertical distribution and feeding of *Calanus finmarchicus* in Skagerrak coastal water 279
Bartlett SE → Perry EA
Baudat J → Ropert-Coudert Y
Bavestrello G → Regoli F
Beer S → Schwarz A-M
Benzie JAH → Uthicke S
Berger VJ → Sokolova IM
Bil' K → Titlyanov E
Bishop RE, Torres JJ, Crabtree RE: Chemical composition and growth indices in leptocephalus larvae 205
Bjerregaard P → Bondgaard M
Björk M → Schwarz A-M
Blair D → Dudgeon CL
Bompadre S → Regoli F
Bondgaard M, Nørum U, Bjerregaard P: Cadmium accumulation in the female shore crab *Carcinus maenas* during the moult cycle and ovarian maturation 995
Bost CA → Ropert-Coudert Y
Boulding EG → Kyle CJ
Boyd SE → Schratzberger M
Boyle PR, Daly HI: Fecundity and spawning in a deep-water cirromorph octopus 317
Branch GM → Mayfield S
Brand AR → Veale LO
Brandstätter F → Weinbauer MG
Brewin PE, Lamare MD, Keogh JA, Mladenov PV: Reproductive variability over a four-year period in the sea urchin *Evechinus chloroticus* (Echinoidea: Echinodermata) from differing habitats in New Zealand 543
Briggs RP → Dickey-Collas M
Brill RW → Lutcavage ME
Brockerhoff AM → Jennings AC
Brokordt KB, Himmelman JH, Nusetti OA, Guderley HE: Reproductive investment reduces recuperation from exhaustive escape activity in the tropical scallop *Euvola zizac* 857
Brown BE → Hawkridge JM
Buluda T → Schwarz A-M
Burlando B → Viarengo A
Burns JC → Shike H
Buskey EJ: Role of vision in the aggregative behavior of the planktonic mysid *Mysidium columbiae* 257
Butler AJ → Styan CA
Butman CA → Hare MP

Caihuan Ke, Yu KN, Lam PKS, Wang W-X: Uptake and depuration of cesium in the green mussel *Perna viridis* 567
Cannicci S → Fratini S
Carlin JL → Ball AO
Carlini DB → Seibel BA
Carr SM → Perry EA
Carter RW → Manica A
Castilla JC → Espoz C
Cataudella S → Sola L
Cerrano C → Regoli F
Chan WK → Nelson JS
Chapman RW → Ball AO
Chase BC → Lutcavage ME
Chelazzi G → Santini G
Cheng I-J: Post-nesting migrations of green turtles (*Chelonia mydas*) at Wan-An Island, Penghu Archipelago, Taiwan 747
Chierici E → Regoli F
Choe N, Deibel D: Seasonal vertical distribution and population dynamics of the chaetognath *Parasagitta elegans* in the water column and hyperbenthic zone of Conception Bay, Newfoundland 847
Chou LM → Nelson JS
Clarke AP, Mill PJ, Grahame J: The nature of heat coma in *Littorina littorea* (Mollusca: Gastropoda) 447
Clarke AP, Mill PJ, Grahame J: Biodiversity in *Littorina* species (Mollusca: Gastropoda): a physiological approach using heat-coma 559
Coelho SM → Rijstenbil JW
Colomba MS → Vitturi R
Corriero G → Mercurio M
Costain KE → Shepherd TD
Crabtree RE → Bishop RE
Creed JC: Epibiosis on cerith shells in a seagrass bed: correlation of shell occupant with epizoite distribution and abundance 775
Criales MM → Schwamborn R
Cunha MR, Moreira MH, Sorbe JC: The amphipod *Corophium multisetosum* (Corophiidae) in Ria de Aveiro (NW Portugal). II. Abundance, biomass and production 651
Cunha MR, Sorbe JC, Moreira MH: The amphipod *Corophium multisetosum* (Corophiidae) in Ria de Aveiro (NW Portugal). I. Life history and aspects of reproductive biology 637
Cyrus DP → Harris SA

Dahlgren TG, Weinberg JR, Halanych KM: Phylogeography of the ocean quahog (*Arctica islandica*): influences of poleoclimate on genetic diversity and species range 487
Daly HI → Boyle PR
Danovaro R, Gambi C, Manini E, Fabiano M: Meiofauna response to a dynamic river plume front 359
Davidson WS → Perry EA
Davis GM → Wilke T
De Innocentiis S → Sola L
De Marco P → Sola L
Deibel D → Choe N
Dickey-Collas M, Briggs RP, Armstrong MJ, Milligan SP: Production of *Nephrops norvegicus* larvae in the Irish Sea 973
Donnelly J → Geiger SP
Dubilier N → Krieger J
Dubinsky Z → Titlyanov E
Dudgeon CL, Gust N, Blair D: No apparent genetic basis to demographic differences in scarid fishes across continental shelf of the Great Barrier Reef 1059
Duineveld GCA → Stoeck T

Eden N → Titlyanov E
Eijsackers M → Rijstenbil JW
Elner RW → Sutherland TF
Erkan F → Svetlichny LS
Espoz C, Castilla JC: Escape responses of four Chilean intertidal limpets to seastars 887
Evjen MS → Helland S

Fabiano M → Danovaro R
Faldborg Petersen M → Styrishave B
Felder DL → Schubart CD
Fishelson L: Comparative morphology and cytology of siphons and siphonal sensory organs in selected bivalve molluscs 497
Fletcher D → Tully O
Fomina I → Titlyanov E
Fratini S, Cannicci S, Vannini M: Competition and interaction between *Neosarmatium smithi* (Crustacea: Grapsidae) and *Terebralia palustris* (Mollusca: Gastropoda) in a Kenyan mangrove 309
Fritz L → Seo KS
Fyhn HJ → Helland S

Gage JD → Sumida PYG
Gaino E → Mercurio M
Gambi C → Danovaro R
Garcia-Rubies A → Macpherson E
Garm A, Høeg JT: Functional mouthpart morphology of the squat lobster *Munida sarsi*, with comparison to other anomurans 123
Garnacho E, Peck LS, Tyler PA: Variations between winter and summer in the toxicity of copper to a population of the mysid *Praunus flexuosus* 631
Geiger SP, Donnelly J, Torres JJ: Effect of the receding ice-edge on the condition of midwater fishes in the northwestern Weddell Sea: results from biochemical assays with notes on diet 1091
Gianguzza P → Vitturi R
Giere O → Krieger J
Gilg MR, Hilbish TJ: The relationship between allele frequency and tidal height in a mussel hybrid zone: a test of the differential settlement hypothesis 371
Gillanders BM → Kingsford MJ
Goldstein JL → Lutcavage ME
Gordoa A → Macpherson E
Gornung E → Sola L
Goswami SC → Achuthankutty CT
Gower BA → Wasson KM
Grahame J → Clarke AP
Granovitch AI → Sokolova IM
Griem JN, Martin KLM: Wave action: the environmental trigger for hatching in the California grunion *Leuresthes tenuis* (Teleostei: Atherinopsidae) 177
Gucu AC → Svetlichny LS
Guderley HE → Brokordt KB
Gusmão J, Lazoski C, Solé-Cava AM: A new species of *Penaeus* (Crustacea: Penaeidae) revealed by allozyme and cytochrome oxidase I analyses 435
Gust N → Dudgeon CL

Halanych KM → Dahlgren TG
Harasewych MG, McArthur AG: A molecular phylogeny of the Patellogastropoda (Mollusca: Gastropoda) 183
Hare MP, Palumbi SR, Butman CA: Single-step species identification of bivalve larvae using multiplex polymerase chain reaction 953
Harris RR, Santos MCF: Heavy metal contamination and physiological variability in the Brazilian mangrove crabs *Ucides cordatus* and *Callinectes danae* (Crustacea: Decapoda) 691
Harris SA, Cyrus DP: Comparison of larval fish assemblages in three large estuarine systems, KwaZulu-Natal, South Africa 527
Harvell CD → Kim K
Hawkins SJ → Veale LO
Hawkridge JM, Pipe RK, Brown BE: Localisation of antioxidant enzymes in the cnidarians *Anemonia viridis* and *Goniopora stokesi* 1
Hazzard SE → Kleppel GS
Helland S, Triantaphyllidis GV, Fyhn HJ, Evjen MS, Lavens P, Sorgeloos P: Modulation of the free amino acid pool and protein content in populations of the brine shrimp *Artemia* spp. 1005
Hernaman V, Munday PL, Schläppy ML: Validation of otolith growth-increment periodicity in tropical gobies 715
Hettwer H → Lehmann D
Hilbish TJ → Gilg MR
Hill AS → Veale LO
Himmelman JH → Brokordt KB
Hochberg FG → Seibel BA
Hoddell RJ → Nelson JS
Høeg JT → Garm A
Honda BM → Martel AL
Hubareva ES → Svetlichny LS

Ikeda T → Yamada Y
Ikeda T → Yamaguchi A

James DW: Diet, movement, and covering behavior of the sea urchin *Toxopneustes roseus* in rhodolith beds in the Gulf of California, México 913
Jaramillo E → Kennedy F
Jennings AC, McLay CL, Brockerhoff AM: Mating behaviour of *Macrophthalmus hirtipes* (Brachyura: Ocypodidae) 267
Jensen KR → Vitturi R
Johannesson K → Sokolova IM
Johnston EL, Keough MJ: Field assessment of effects of timing and frequency of copper pulses on settlement of sessile marine invertebrates 1017

Kato A → Ropert-Coudert Y
Kelly LS → Ting JH
Kennedy F, Naylor E, Jaramillo E: Ontogenetic differences in the circadian locomotor activity rhythm of the talitrid amphipod crustacean *Orchestoidea tuberculata* 511
Keolgh JA → Brewin PE
Keogh MJ → Johnston EL
Kim GB, Lee RF, Mitchell DL: Damage to grass shrimp (*Palaemonetes pugio*) embryo DNA by summer sunlight followed by DNA repair in the dark 675
Kim K, Kim PD, Alker AP, Harvell CD: Chemical resistance of gorgonian corals against fungal infections 393
Kim PD → Kim K
Kimura S → Tsuda A
Kingsford MJ → Pitt KA
Kingsford MJ, Gillanders BM: Variation in concentrations of trace elements in otoliths and eye lenses of a temperate reef fish, *Parma microlepis*, as a function of depth, spatial scale, and age 403
Kivivuori LA → Lahdes EO
Kleppel GS, Hazzard SE: Diet and egg production of the copepod *Acartia tonsa* in Florida Bay. II. Role of the nutritional environment 111
Klimpel KS → Shike H
Köhler-Rink S, Kühl M: Microsensor studies of photosynthesis and respiration in larger symbiotic foraminifera. I The physico-chemical microenvironment of *Marginopora Vertebralis*, *Amphistegina lobifera* and *Amphisorus hemprichii* 473
Kok A → Stoeck T
Kramarsky-Winter E, Loya Y: Tissue regeneration in the coral *Fungia granulosa*: the effect of extrinsic and intrinsic factors 867
Krieger J, Giere O, Dubilier N: Localization of RubisCO and sulfur in endosymbiotic bacteria of the gutless marine oligochaete *Inanidrilus leukodermatus* (Annelida) 239
Kühl M → Köhler-Rink S
Kühl M → Wieland A
Kurita M → Ropert-Coudert Y
Kyle CJ, Boulding EG: Comparative population genetic structure of marine gastropods (*Littorina* spp.) with and without pelagic larval dispersal 835

Lahdes EO, Kivivuori LA, Lehti-Koivunen SM: Seasonal variation of membrane fluidity of the naturally acclimatized Baltic Sea amphipods *Gammarus* spp. and *Monoporeia affinis* 223
Lam PKS → Caihuan Ke
Lamare MD → Brewin PE
Lambert WJ, Todd CD, Thorpe JP: Variation in growth rate and reproductive output in British populations of the dorid nudibranch *Adalaria proxima*: consequences of restricted larval dispersal? 149
Lampitt RS → Sumida PYG
Lavens P → Helland S
Lazoski C → Gusmão J
Le Maho Y → Ropert-Coudert Y
Lee RF → Kim GB
Lee SY → Sze PWC
Lehmann D, Hettwer H, Taraschewski H: RAPD-PCR investigations of systematic relationships among four species of eels (Teleostei: Anguillidae), particularly *Anguilla anguilla* and *A. rostrata* 195
Lehti-Koivunen SM → Lahdes EO
Leletkin V → Titlyanov E
Lightner DV → Aubert H
Lindsay JR → McQuaid CD
Lindsay TL → McQuaid CD
Litvak MK → Shepherd TD
Lopata AL → Mayfield S
Loya Y → Kramarsky-Winter E
Lutcavage ME, Brill RW, Skomal GB, Chase BC, Goldstein JL, Tutein J: Tracking adult North Atlantic bluefin tuna (*Thunnus thynnus*) in the northwestern Atlantic using ultrasonic telemetry 347

Maclaren WM → Marrs J
Macpherson E, García-Rubies A, Gordoa A: Direct estimation of natural mortality rates for littoral marine fishes using populational data from a marine reserve 1067
Madhupratap M → Achuthankutty CT
Mahambre GG → Achuthankutty CT
Malkin A → Titlyanov E

Manahan DT → Marsh AG
Manica A, Carter RW: Morphological and fluorescence analysis of the *Montastraea annularis* species complex in Florida 899
Manini E → Danovaro R
Manning DA → Manuel JL
Manuel JL, Pearce CM, Manning DA, O'Dor RK: The response of sea scallop (*Placopecten magellanicus*) veligers to a weak thermocline in 9-m deep mesocosms 169
Marchi B → Viarengo A
Mariani S, Uriz M-J, Turon X: Larval bloom of the oviparous sponge *Cliona viridis*: coupling of larval abundance and adult distribution 783
Marino G → Sola L
Marro A → Viarengo A
Marrs J, Wilkie IC, Sköld M, Maclaren WM, McKenzie JD: Size-related aspects of arm damage, tissue mechanics, and autotomy in the starfish *Asterias rubens* 59
Marsh AG, Manahan DT: Metabolic differences between "demersal" and "pelagic" development of the Antarctic sea urchin *Sterechinus neumayeri* 215
Martel AL, Auffrey LM, Robles CD, Honda BM: Identification of settling and early postlarval stages of mussels (*Mytilus* spp.) from the Pacific coast of North America, using prodissoconch morphology and genomic DNA 811
Martin KLM → Griem JN
Matsuura H, Nishida S: Fine structure of the "button setae" in the deep-sea pelagic copepods of the genus *Euaugaptilus* (Calanoida: Augaptilidae) 339
Mayfield S, Lopata AL, Branch GM: Limitation and failure of immunological technique (ELISA) in resolving the diet of the South African rock lobster *Jasus Ialandii* 595
Mazzoldi C, Scaggiante M, Ambrosin E, Rasotto MB: Mating system and alternative male mating tactics in the grass goby *Zosterisessor ophiocephalus* (Teleostei: Gobiidae) 1041
McArthur AG → Harasewych MG
McKenzie JD → Marrs J
McLay CL → Jennings AC
McQuaid CD, Lindsay JR, Lindsay TL: Interactive effects of wave exposure and tidal height on population structure of the mussel *Perna perna* 925
Mercurio M, Corriero G, Scalera Liaci L, Gaino E: Silica content and spicule size variations in *Pellina semitubulosa* (Porifera: Demospongiae) 87
Mill PJ → Clarke AP
Milligan SP → Dickey-Collas M
Mitchell DL → Kim GB
Mladenov PV → Brewin PE
Moran AL: Calcein as a marker in experimental studies newly-hatched gastropods 893
Moreira MH → Cunha MR
Mtolera M → Schwarz A-M
Munday PL → Hernaman V

Naito Y → Ropert-Coudert Y
Naylor E → Kennedy F
Neigel JE → Schubart CD
Nelson JS, Hoddell RJ, Chou LM, Chan WK, Phang VPE: Phylogeographic structure of false clownfish, *Amphiprion ocellaris*, explained by sea level changes on the Sunda shelf 727
Nishida S → Matsuura H
Nishioka J, Takeda S: Change in the concentrations of iron in different size fractions during growth of the oceanic diatom *Chaetoceros* sp.: importance of small colloidal iron 231
Nørum U → Bondgaard M
Nusetti OA → Brokordt KB

O'Donovan V → Tully O
O'Dor RK → Manuel JL
O'Neil PG → Yund PO
Otake T → Arai T

Palumbi SR → Hare MP
Papalia S → Sola L
Pearce CM → Manuel JL
Peck LS → Garnacho E
Perry EA, Stenson GB, Bartlett SE, Davidson WS, Carr SM: DNA sequence analysis identifies genetically distinguishable populations of harp seals (*Pagophilus groenlandicus*) in the Northwest and Northeast Atlantic 53
Phang VPE → Nelson JS
Pipe RK → Hawkridge JM
Pitt KA, Kingsford MJ: Reproductive biology of the edible jellyfish *Catostylus mosaicus* (Rhizostomeae) 791
Prevedelli D, Simonini R: Effects of salinity and two food regimes on survival, fecundity and sex ratio in two groups of *Dinophilus gyrociliatus* (Polychaeta: Dinophilidae) 23

Rasotto MB → Mazzoldi C
Rees HL → Schratzberger M
Regoli F, Cerrano C, Chierici E, Bompadre S, Bavestrello G: Susceptibility to oxidative stress of the Mediterranean demosponge *Petrosia ficiformis*: role of endosymbionts and solar irradiance 453
Reizenstein M → Tzeng WN
Riggio S → Vitturi R
Rijstenbil JW, Coelho SM, Eijsackers M: A method for the assessment of light-induced oxidative stress in embryos of fucoid algae via confocal laserscan microscopy 763
Robles CD → Martel AL
Rolán E → Wilke T
Ropert-Coudert Y, Baudat J, Kurita M, Bost CA, Kato A, Le Maho Y, Naito Y: Validation of oesophagus temperature recording for detection of prey ingestion on captive Adélie penguins (*Pygoscelis adeliae*) 1105
Rossi AR → Sola L

Santini G, Williams GA, Chelazzi G: Assessment of factors affecting heart rate of the limpet *Patella vulgata* on the natural shore 291
Santos MCF → Harris RR
Sato M, Wada K: Resource utilization for decorating in three intertidal majid crabs (Brachyura: Majidae) 705
Scaggiante M → Mazzoldi C
Scalera Liaci L → Mercurio M
Schläppy ML → Hernaman V
Schratzberger M, Rees HL, Boyd SE: Effects of simulated deposition of dredged material on structure of nematode assemblages – the role of contamination 613
Schubart CD, Neigel JE, Felder DL: Molecular phylogeny of mud crabs (Brachyura: Panopeidae) from the northwestern Atlantic and the role of morphological stasis and convergence 11
Schwamborn R, Criales MM: Feeding strategy and daily ration of juvenile pink shrimp (*Farfantepenaeus duorarum*) in a South Florida seagrass bed 139
Schwarz A-M, Björk M, Buluda T, Mtolera M, Beer S: Photosynthetic utilisation of carbon and light by two tropical seagrass species as measured in situ 755
Sedberry GR → Ball AO
Seibel BA, Hochberg FG, Carlini DB: Life history of *Gonatus onyx* (Cephalopoda: Teuthoidea): deep-sea spawning and post-spawning egg care 519
Seo KS, Fritz L: Cell-wall morphology correlated with vertical migration in the non-motile marine dinoflagellate *Pyrocystis noctiluca* 589
Shepherd PCF → Sutherland TF
Shepherd TD, Costain KE, Litvak MK: Effect of development rate on the swimming, escape responses, and morphology of yolk-sac stage larval American plaice, *Hippoglossoides platessoides* 737
Shike H, Shimizu C, Klimpel KS, Burns JC: Expression of foreign genes in primary cultured cells of the blue shrimp *Penaeus stylirostris* 605
Shimizu C → Shike H
Shrivastava Y → Achuthankutty CT
Simonini R → Prevedelli D
Sköld M → Marrs J
Skomal GB → Lutcavage ME
Snell TW → Ting JH
Sokolova IM, Granovitch AI, Berger VJ, Johannesson K: Intraspecific physiological variability of the gastropod *Littorina saxatilis* related to the vertical shore gradient in the White and North Seas 297
Solé-Cava AM → Gusmão J
Sola L, De Innocentiis S, Gornung E, Papalia S, Rossi AR, Marino G, De Marco P, Cataudella S: Cytogenetic analysis of *Epinephelus marginatus* (Pisces: Serranidae), with the chromosome localization of the 18S and 5S rRNA genes and of the (TTAGGG)*n* telomeric sequence 47
Sorbe JC → Cunha MR
Sorgeloos P → Helland S
Stenson GB → Perry EA

Stoeck T, Duineveld GCA, Kok A, Albers BP: Nucleic acids and ATP to assess microbial biomass and activity in a marine biosedimentary system 1111
Styan CA, Butler AJ: Fitting fertilisation kinetics models for free-spawning marine invertebrates 943
Styrishave B, Andersen O: Seasonal variations in hepatopancreas fatty acid profiles of two colour forms of shore crabs, *Carcinus maenas* 415
Styrishave B, Faldborg Petersen M, Andersen O: Influence of cadmium accumulation and dietary status on fatty acid composition in two colour forms of shore crabs, *Carcinus maenas* 423
Sugisaki H → Tsuda A
Sumida PYG, Tyler PA, Lampitt RS, Gage JD: Reproduction, dispersal and settlement of the bathyal ophiuroid *Ophiocten gracilis* in the NE Atlantic Ocean 623
Sutherland TF, Shepherd PCF, Elner RW: Predation on meiofaunal and macrofaunal invertebrates by western sandpipers (*Calidris mauri*): evidence for dual foraging modes 983
Svetlichny LS, Hubareva ES, Erkan F, Gucu AC: Physiological and behavioral aspects of *Calanus euxinus* females (Copepoda: Calanoida) during vertical migration across temperature and oxygen gradients 963
Sze PWC, Lee SY: Effects of chronic copper exposure on the green mussel *Perna viridis* 379

Takeda S → Nishioka J
Taraschewski H → Lehmann D
Thiel M: Population and reproductive biology of two sibling amphipod species from ascidians and sponges 661
Thorpe JP → Lambert WJ
Ting JH, Kelly LS, Snell TW: Identification of sex, age and species-specific proteins on the surface of the harpacticoid copepod *Tigriopus japonicus* 31
Titlyanov E, Bil' K, Fomina I, Titlyanova T, Leletkin V, Eden N, Malkin A, Dubinsky Z: Effects of dissolved ammonium addition and host feeding with *Artemia salina* on photoacclimation of the hermatypic coral *Stylophora pistillata* 463
Titlyanova T → Titlyanov E
Todd CD → Lambert WJ
Torres JJ → Bishop RE
Torres JJ → Geiger SP
Triantaphyllidis GV → Helland S
Tsuda A, Sugisaki H, Kimura S: Mosaic horizontal distributions of three species of copepods in the subarctic Pacific during spring 683
Tsukamoto K → Arai T
Tully O, O'Donovan V, Fletcher D: Metabolic rate and lipofuscin accumulation in juvenile European lobster (*Homarus gammarus*) in relation to simulated seasonal changes in temperature 1031
Tupper M, Able KW: Movements and food habits of striped bass (*Morone saxatilis*) in Delaware Bay (USA) salt marshes: comparison of a restored and a reference marsh 1049
Turon X → Mariani S
Tutein J → Lutcavage ME
Tyler PA → Garnacho E
Tyler PA → Sumida PYG
Tzeng WN, Wang CH, Wickström H, Reizenstein M: Occurrence of the semi-catadromous European eel *Anguilla anguilla* in the Baltic Sea 93

Uriz M-J → Mariani S
Uthicke S, Benzie JAH: Allozyme electrophoresis indicates high gene flow between populations of *Holothuria* (*Microthele*) *nobilis* (Holothuroidea: Aspidochirotida) on the Great Barrier Reef 819

Vannini M → Fratini S
Veale LO, Hill AS, Hawkins SJ, Brand AR: Effects of long-term physical disturbance by commercial scallop fishing on subtidal epifaunal assemblages and habitats 325
Velimirov B → Weinbauer MG
Viarengo A, Marro A, Marchi B, Burlando B: Single and combined effects of heavy metals and hormones on lysosomes of haemolymph cells from the mussel *Mytilus galloprovincialis* 907
Villanueva R: Differential increment-deposition rate in embryonic statoliths of the loliginid squid *Loligo vulgaris* 161
Vitturi R, Gianguzza P, Colomba MS, Jensen KR, Riggio S: Cytogenetics in the sacoglossan *Oxynoe olivacea* (Mollusca: Opisthobranchia): karyotype, chromosome banding and fluorescent in situ hybridization 577

Wada K → Sato M
Wang CH → Tzeng WN
Wang W-X → Caihuan Ke
Wasson KM, Gower BA, Watts SA: Responses of ovaries and testes of *Lytechinus variegatus* (Echinodermata: Echinoidea) to dietary administration of estradiol, progesterone and testosterone 245
Watts SA → Wasson KM
Weinbauer MG, Brandstätter F, Velimirov B: On the potential use of magnesium and strontium concentrations as ecological indicators in the calcite skeleton of the red coral (*Corallium rubrum*) 801
Weinberg JR → Dahlgren TG
Wickström H → Tzeng WN
Wieland A, Kühl M: Irradiance and temperature regulation of oxygenic photosynthesis and $O_2$ consumption in a hypersaline cyanobacterial mat (Solar Lake, Egypt) 71
Wilke T, Rolán E, Davis GM: The mudsnail genus *Hydrobia* s.s. in the northern Atlantic and western Mediterranean: a phylogenetic hypothesis 827
Wilkie IC → Marrs J
Williams GA → Santini G

Yamada Y, Ikeda T: Development, maturation, brood size and generation length of the mesopelagic amphipod *Cyphocaris challengeri* (Gammaridea: Lysianassidae) off southwest Hokkaido, Japan 933
Yamaguchi A, Ikeda T: Vertical distribution, life cycle, and developmental characteristics of the mesopelagic calanoid copepod *Gaidius variabilis* (Aetideidae) in the Oyashio region, western North Pacific Ocean 99
Yu KN → Caihuan Ke
Yund PO, O'Neil PG: Microgeographic genetic differentiation in a colonial ascidian (*Botryllus schlosseri*) population 583

Zatcoff MS → Ball AO